

THE WIRELESS INTELLIGENCE PLATFORM

WYEBOT IN EDUCATION

Today's schools demand predictable and reliable high-performing wireless networks. Thanks to e-learning initiatives, online standardized testing, an increasing number of devices per student, and the growing number of IoT devices, school networks are forced to support more than ever. Network downtime can mean learning downtime, and while schools everywhere agree that that's unacceptable, how do they prevent it?

The award-winning Wireless Intelligence Platform™ (WIP) helps schools optimize for today and for the future. Complete ecosystem visibility empowers schools to know exactly who is on their network and what they are doing. Predictive analytics proactively alert schools to any possible network degradation, and actionable solutions are suggested automatically, making network downtime a thing of the past.

“ The Wyebot devices at the test schools delivered as promised and immediately helped us tweak, optimize, and improve performance. We now know where we need to go, what we need to do, and hardware to recommend to ensure that the network is as efficient as possible. We can't wait to deploy WIP at every school.

- Mike Lambert, Technology Coordinator for the Lamoille North Supervisory Union -

AUTONOMIC WIFI ASSURANCE

- Seamless connectivity and no surprises with 24x7x365 visibility into the entire wireless ecosystem
- Proactively analyze the performance of the network and all devices
- Automatically update IT before students are impacted
- Support for WiFi 6 (802.11ax) technology

SOLVE NETWORK PROBLEMS 90% FASTER

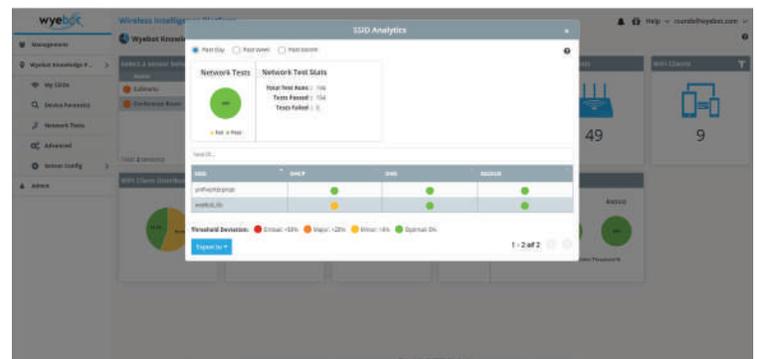
- Automatically run networks tests and troubleshoot from off-campus
- 90% reduction in Mean-Time-to-Resolution
- Budget friendly solution reduces remote site visits by up to 80%

DEVICE FORENSICS

- Classify all APs and Clients via device fingerprinting
- Determine technological capabilities and utilization patterns of all client devices and APs
- Analyzes changes in data and presents it automatically for planning use
- Optimize capacity planning by only upgrading infrastructure that truly needs it

VENDOR AGNOSTIC

- Ultimate flexibility for school districts
- Seamlessly integrates with existing network infrastructure
- Analyzes the entire ecosystem - devices, infrastructure, and RF airwaves - regardless of changing technology



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“ Wyebot’s proactive solution is always in place, always working, and it provides solutions. This means we don’t have to wait for a problem to occur before we can start troubleshooting.”

- Chad Lewis, Director of Technology at the Tampa Preparatory School -

COMPLETE WIRELESS ECOSYSTEM VISIBILITY

Instant, visual updates of the entire network, including interference from any nearby networks, provided on the dashboard, along with a color-coded summary of the severity of all issues. Selecting a sensor name links you to the sensor status page where issue details - and solutions - are provided, including “Location Level” analytics with a summary of test results from each SSID.

AUTOMATED DETECTION, NOTIFICATION & MITIGATION

Our sensors automatically collect and process all network activity, and analyze the data to detect network anomalies using an Artificial Intelligence-based engine. Our user interface presents clear and concise problem statements along with actionable intelligence to correct existing issues or proactively prevent further issues from occurring later.

REMOTE NETWORK TEST SUITE

Our Test Suite runs remote tests on a scheduled or periodic basis over Wired and Wireless Networks, with the ability to run scheduled tests on demand. We send automatic alerts if any test fails; can copy tests across locations and SSIDs; and can run tests over multiple APs and frequency bands using a single sensor. Our system proactively performs a Wireless Connectivity and Internet Connectivity/Ping Test; an Application Test; Performance Tests; a Device Monitor Test; a Device Discovery Test; a Security Audit Test; a DNS Server Test; and, Throughput Testing. A summary of network component performance and test results are provided on the Location Level dashboard.

SECURITY BREACH DETECTION

WIP’s 24/7 monitoring detects multiple types of wireless security breaches, notifies staff of events such as newly detected APs, security mismatches between networks, potential DoS attacks, etc., and provides a solution to help pinpoint the source.

HISTORICAL FORENSICS

Go back in time using the user interface and discover how specific devices operated at a point in the past. Study network events in depth, even if the exact conditions in question no longer exist. Historical charts include data on RF Analytics, Non-WiFi Interference, and the Noise Floor.

EXPORT DATA, REPORTING & LOGGING

Export real-time and historical data from a number of tables and graphs. Share data with associates to support the budget-friendly network upgrades necessary for your school. This includes API support and SNMPv2c, so customers can integrate WIP’s data into their end user dashboard for one management platform.

